



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI
GOVERNOR

DAVID P. LITTELL
COMMISSIONER

**The Lane Construction Corporation
Washington County
Charlotte, Maine
A-978-71-B-A (SM)**

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #1**

After review of the air emission license amendment application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., §344 and §590, the Department finds the following facts:

I. REGISTRATION

A. Introduction

1. The Lane Construction Corporation (Lane) of Charlotte, Maine was issued Air Emission License A-978-71-A-N on 25 October 2007, permitting the operation of emission sources associated with their hot mix asphalt plant and crushed stone and gravel facility.
2. The equipment addressed in this amendment was previously located in Belfast, Maine. All equipment is now based at 1024 Station Road, Charlotte, Maine.
3. Lane has requested an amendment to their license in order to replace the 66 MMBtu/hr burner in #67 Drum Mix Plant with a new 70 MMBtu/hr burner.

B. Emission Equipment

Asphalt Plant

<u>Equipment</u>	<u>Process Rate (TPH)</u>	<u>Design Capacity Firing Rate</u>	<u>Control Devices</u>	<u>Stack ID</u>	<u>Date of Manufac- ture</u>
#67 Drum mix asphalt plant	200	70.0 MMBtu/hr, 0.5% sulfur #2 Fuel Oil, 0.7% Spec. Waste Oil	Baghouse	67	Plant - 1984 Burner - 2010

C. Application Classification

The modification of a minor source is considered a major modification based on whether or not expected emission increases exceed the "Significant Emission Levels" as defined in the Department's regulations. The emission increases are determined by subtracting the current licensed emissions preceding the modification from the maximum future licensed allowed emissions, as follows:

<u>Pollutant</u>	<u>Current License (TPY)</u>	<u>Future License (TPY)</u>	<u>Net Change (TPY)</u>	<u>Sig. Level</u>
PM	5.3	5.0	-0.3	100
PM ₁₀	5.3	5.0	-0.3	100
SO ₂	36.3	36.3	0.0	100
NO _x	23.6	23.1	-0.5	100
CO	22.6	21.5	-1.1	100
VOC	6.0	5.7	-0.3	50

This modification is determined to be a minor modification and has been processed as such.

II. BEST PRACTICAL TREATMENT

A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in *Definitions Regulation*, 06-096 CMR 100 (last amended December 24, 2005). Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for existing emissions equipment means that method which controls or reduces emissions to the lowest possible level considering:

- the existing state of technology;
- the effectiveness of available alternatives for reducing emissions from the source being considered; and
- the economic feasibility for the type of establishment involved.

B. # 67 Drum Mix Asphalt Plant

The #67 Drum Mix Asphalt Plant was manufactured in 1984 and is therefore subject to EPA New Source Performance Standards (NSPS) Subpart I for Hot Mix Asphalt Facilities manufactured after June 11, 1973. The original burner fired 66 MMBtu/hour; the new burner fires 70 MMBtu/hour. The new burner was manufactured and will be installed in 2010, and fires ASTM compliant #2 fuel oil with a sulfur content not to exceed 0.5% by weight, or specification waste oil with a sulfur content not to exceed 0.7%.

C. Facility Emissions

Lane shall be restricted to the following annual emissions, based on:

- Combined fuel use of 700,000 gallons of ASTM D396 compliant #2 fuel oil with a maximum sulfur content not to exceed 0.5% by weight, and specification waste oil with a maximum sulfur content not to exceed 0.7% by weight, based on a 12-month rolling total.
- Total of 50,000 gallons of ASTM D396 complaint #2 fuel oil with a maximum sulfur content not to exceed 0.5% by weight in the generators, based on a 12-month-rolling total.

Total Licensed Annual Emissions for the Facility
(Used to calculate the annual license fee)

	PM	PM₁₀	SO₂	NO_x	CO	VOC
#67 Asphalt Plant	3.9	3.9	34.5	7.7	18.2	4.5
Generators	1.1	1.1	1.8	15.4	3.3	1.2
Total TPY	5.0	5.0	36.3	23.1	21.5	5.7

ORDER

Based on the above Findings and subject to conditions listed below the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-978-71-B-A, subject to the conditions found in Air Emission A-978-71-A-N and the following conditions:

Specific Condition (16), subsection G, shall be amended to read:

SPECIFIC CONDITIONS

(16) Drum Mix Asphalt Plant

- G. Lane shall be limited to the use of 700,000 gallons per year on a 12-month rolling total basis of ASTM D396 compliant #2 fuel oil with a sulfur content not to exceed 0.5% by weight, and specification waste oil, with a sulfur content not to exceed 0.7% by weight in the drum mix asphalt plant. Emissions from the baghouse shall not exceed the following [06-096 CMR 115, BPT]:

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Pollutant	grs/dscf	lb/hr
PM	0.03	
PM ₁₀	-	5.64
SO ₂	-	49.35
NO _x	-	11.00
CO	-	26.00
VOC	-	6.40

Specific Condition (29) shall be added:

- (29) Lane may replace the existing 66.0 MMBtu/hr asphalt plant burner with a new 70.0 MMBtu/hr unit.

DONE AND DATED IN AUGUSTA, MAINE THIS 19th DAY OF May, 2010.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: James P. Little
DAVID P. LITTLE, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-978-71-A-N.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 04/07/2010

Date of application acceptance: 04/08/2010

Date filed with the Board of Environmental Protection:

This Order prepared by N. Lynn Cornfield, Bureau of Air Quality.



